

Eric Kearney

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SUMMARY

Results-driven software engineer with four years of professional experience in software development, testing, and project management. Demonstrated ability to design, develop, and deploy complex software systems for clients in aerospace and defense. Strong problem-solving skills and experience in using machine learning and big data tools to derive insights from complex datasets.

EXPERIENCE

Raytheon Technologies – Aurora, CO

Aug. 2019 - Present

Software Engineer II - Joint Polar Satellite System

Nov. 2021 - Jan. 2023

- Identified and corrected critical bugs in File Transfer System, improving system reliability
- Developed and implemented scalable data pipeline by balancing load across multiple servers in a multi-threaded solution; reduced the time-to-complete of mission critical jobs from days to hours
- Successfully completed build close out while working on multiple parallel projects, and consistently pulled to provide operational support, resolve high-priority defects, and respond to direct client inquiries and requests

Scrum Master - HP Replacement of IBM Products

Mar. 2021 - Nov. 2021

- Served as Scrum Master to fill void created by staffing shortage, lead team of six during the process of migrating server infrastructure
- Transformed previously lagging team into top performer

Test Engineer - GPS-OCX

Aug. 2019 - Mar. 2021

- Wrote clean and concise unit and functional tests and achieved broad and deep test coverage of codebase
- Revived dead scripts, and updated them to IEEE standards at the client's request, said scripts served as the basis for future client deliverables
- Maintained nightly test pipeline to ensure high quality and error-free code

PROJECTS

Investing Subreddit Analysis

- Created script to analyze the sentiment of thousands of comments from reddit.com to determine a subreddit's attitude towards a given company
- Assembled portfolios for each subreddit based on their sentiment, and analyzed and compared the performance of these portfolios to determine a 'winner'

Movie Performance Predictor

- Used deep neural networks to determine the most important factor in movie success, both in terms of box office performance and critical/audience reviews
- Scraped data from websites including IMDB, RottenTomatoes, and BoxOfficeMojo, assembled data into a single coherent database for use in the project

CLEARANCE

Active TS/SCI clearance, favorably adjudicated April 2019

SKILLS

Python: NumPy, pandas, PyTorch, OpenCV, Flask, Django, PySpark, pylint, pytest, Jupyter

Java: Gradle, Groovy, JUnit, Cucumber

JavaScript: TypeScript, React

Scripting: Bash, Powershell

Big Data Tools: SQL (PostgreSQL, MySQL, SQLite, SQLAlchemy), Spark, Hadoop

Development Tools: Linux (Debian/Ubuntu, Fedora/Red Hat, Unix), object-oriented programming, Containerization (Docker, Kubernetes), Git (GitHub, Bitbucket), AWS, CI/CD, Jenkins, Jira, Confluence

EDUCATION

Master's of Science - Computer Science

Colorado State University

Jan. 2022 - Dec. 2025

Fort Collins, CO

Bachelor's of Science - Computer Science

Metropolitan State University of Denver

Jan. 2017 - May 2019

Denver, CO